

Tyr Ile His Leu Ser Pro Asn Thr His Val Asn Met Ser Gln Ser Gln
 130 135 140
 Asn Asp Val Phe Pro Thr Ala Ile His Ile Ser Thr Leu Lys Leu Leu
 145 150 155 160
 Glu Lys Leu Leu Lys Thr Met Glu Asp Met His Ser Val Phe Lys Gln
 165 170 175
 Lys Ala Gln Glu Phe His Ser Val Ile Lys Met Gly Arg Thr His Leu
 180 185 190
 Gln Asp Ala Val Pro Ile Arg Leu Gly Gln Glu Phe Glu Ala Tyr Ser
 195 200 205
 Arg Val Leu Glu Arg Asp Ile Lys Arg Ile Lys Gln Ser Arg Gln His
 210 215 220
 Leu Tyr Glu Val Asn Met Gly Ala Thr Ala Val Gly Thr Gly Leu Asn
 225 230 235 240
 Ala Asp Pro Glu Tyr Ile Lys Gln Val Val Lys His Leu Ala Asp Ile
 245 250 255
 Ser Gly Leu Pro Leu Val Gly Ala Asp His Leu Val Asp Ala Thr Gln
 260 265 270
 Asn Thr Asp Ala Tyr Thr Glu Val Ser Ala Ser Leu Lys Val Cys Met
 275 280 285
 Met Asn Met Ser Lys Ile Ala Asn Asp Leu Arg Leu Met Ala Ser Gly
 290 295 300
 Pro Arg Ala Gly Leu Ala Glu Ile Ser Leu Pro Ala Arg Gln Pro Gly
 305 310 315 320
 Ser Ser Ile Met Pro Gly Lys Val Asn Pro Val Met Ala Glu Leu Ile
 325 330 335
 Asn Gln Ile Ala Phe Gln Val Ile Gly Asn Asp Asn Thr Ile Cys Leu
 340 345 350
 Ala Ser Glu Ala Gly Gln Leu Glu Leu Asn Val Met Glu Pro Val Leu
 355 360 365
 Val Phe Asn Leu Leu Gln Ser Ile Ser Ile Met Asn Asn Gly Phe Arg
 370 375 380
 Ser Phe Thr Asp Asn Cys Leu Lys Gly Ile Glu Ala Asn Glu Lys Arg
 385 390 395 400
 Met Lys Gln Tyr Val Glu Lys Ser Ala Gly Val Ile Thr Ala Val Asn
 405 410 415
 Pro His Leu Gly Tyr Glu Ala Ala Arg Ile Ala Arg Glu Ala Ile
 420 425 430
 Met Thr Gly Gln Ser Val Arg Asp Leu Cys Leu Gln His Asp Val Leu
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 Gln Pro Val Ser Gln Ile Tyr Gln Val Ser Thr Met Thr Ser Leu Leu
 20 25 30
 gac gga gta tat gac gga gat ttt gaa ctg tca gag att ccg aaa tat 144
 Asp Gly Val Tyr Asp Gly Asp Phe Glu Leu Ser Glu Ile Pro Lys Tyr
 35 40 45
 gga gac ttc ggt atc gga acc ttt aac aag ctt gac gga gag ctg att 192
 Gly Asp Phe Gly Ile Gly Thr Phe Asn Lys Leu Asp Gly Glu Leu Ile
 50 55 60
 ggg ttt gac ggc gaa ttt tac cgt ctt cgc tca gac gga acc gcg aca 240
 Gly Phe Asp Gly Glu Phe Tyr Arg Leu Arg Ser Asp Gly Thr Ala Thr
 65 70 75 80
 ccg gtc caa aat gga gac cgt tca ccg ttc tgt tca ttt acg ttc ttt 288
 Pro Val Gln Asn Gly Asp Arg Ser Pro Phe Cys Ser Phe Thr Phe Phe
 85 90 95
 aca ccg gac atg acg cac aaa att gat gcg aaa atg aca ccg gaa gac 336
 Thr Pro Asp Met Thr His Lys Ile Asp Ala Lys Met Thr Arg Glu Asp
 100 105 110
 ttt gaa aaa gag atc aac agc atg ctg cca agc aga aac tta ttt tat 384
 Phe Glu Lys Glu Ile Asn Ser Met Leu Pro Ser Arg Asn Leu Phe Tyr
 115 120 125
 gca att cgc att gac gga ttg ttt aaa aag gtg cag aca aga aca gta 432
 Ala Ile Arg Ile Asp Gly Leu Phe Lys Lys Val Gln Thr Arg Thr Val
 130 135 140
 gaa ctt caa gaa aaa cct tac gtg cca atg gtt gaa gcg gtc aaa aca 480
 Glu Leu Gln Glu Lys Pro Tyr Val Pro Met Val Glu Ala Val Lys Thr
 145 150 155 160
 cag ccg att ttc aac ttc gac aac gtg aga gga acg att gta ggt ttc 528
 Gln Pro Ile Phe Asn Phe Asp Asn Val Arg Gly Thr Ile Val Gly Phe
 165 170 175

ttg aca cca gct tat gca aac gga atc gcc gtt tct ggc tat cac ctg 576
 Leu Thr Pro Ala Tyr Ala Asn Gly Ile Ala Val Ser Gly Tyr His Leu
 180 185 190

cac ttc att gac gaa gga cgc aat tca ggc gga cac gtt ttt gac tat 624
 His Phe Ile Asp Glu Gly Arg Asn Ser Gly Gly His Val Phe Asp Tyr
 195 200 205

gtg ctt gag gat tgc acg gtt acg att tct caa aaa atg aac atg aat 672
 Val Leu Glu Asp Cys Thr Val Thr Ile Ser Gln Lys Met Asn Met Asn
 210 215 220

ctc aga ctt ccg aac aca gcg gat ttc ttt aat gcg aat ctg gat aac 720
 Leu Arg Leu Pro Asn Thr Ala Asp Phe Phe Asn Ala Asn Leu Asp Asn
 225 230 235 240

cct gat ttt gcg aaa gat atc gaa aca act gaa gga agc cct gaa taa 768
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 35 40 45

Gly Asp Phe Gly Ile Gly Thr Phe Asn Lys Leu Asp Gly Glu Leu Ile
 50 55 60

Gly Phe Asp Gly Glu Phe Tyr Arg Leu Arg Ser Asp Gly Thr Ala Thr
 65 70 75 80

Pro Val Gln Asn Gly Asp Arg Ser Pro Phe Cys Ser Phe Thr Phe Phe
 85 90 95

Thr Pro Asp Met Thr His Lys Ile Asp Ala Lys Met Thr Arg Glu Asp
 100 105 110

Phe Glu Lys Glu Ile Asn Ser Met Leu Pro Ser Arg Asn Leu Phe Tyr
 115 120 125

Ala Ile Arg Ile Asp Gly Leu Phe Lys Lys Val Gln Thr Arg Thr Val
 130 135 140

Glu Leu Gln Glu Lys Pro Tyr Val Pro Met Val Glu Ala Val Lys Thr
 145 150 155 160

Gln Pro Ile Phe Asn Phe Asp Asn Val Arg Gly Thr Ile Val Gly Phe
 165 170 175

Leu Thr Pro Ala Tyr Ala Asn Gly Ile Ala Val Ser Gly Tyr His Leu